

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	4	OCT 30	CHEMLIST enhanced with new search and display field
NEWS	5	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	6	NOV 10	CA/CAPLUS F-Term thesaurus enhanced
NEWS	7	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	8	NOV 20	CAS Registry Number crossover limit increased to 300,000 in additional databases
NEWS	9	NOV 20	CA/CAPLUS to MARPAT accession number crossover limit increased to 50,000
NEWS	10	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS	11	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS	12	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS	13	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS	14	DEC 18	CA/CAPLUS pre-1967 chemical substance index entries enhanced with preparation role
NEWS	15	DEC 18	CA/CAPLUS patent kind codes updated
NEWS	16	DEC 18	MARPAT to CA/CAPLUS accession number crossover limit increased to 50,000
NEWS	17	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	18	DEC 27	CA/CAPLUS enhanced with more pre-1907 records
NEWS	19	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS EXPRESS			NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8
NEWS X25			X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:00:28 ON 10 JAN 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 12:00:36 ON 10 JAN 2007

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STRUCTURE FILE UPDATES: 9 JAN 2007 HIGHEST RN 917076-17-6

DICTIONARY FILE UPDATES: 9 JAN 2007 HIGHEST RN 917076-17-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> E "3-OXODODECANOYL)HOMOSERINE LACTONE"/CN 25

E1 1 3-OXODIPROPYLACETIC ACID/CN

E2 1 3-OXODODECANOIC ACID/CN

E3 0 --> 3-OXODODECANOYL)HOMOSERINE LACTONE/CN

E4 1 3-OXOECDYSONE 2,22-DIACETATE/CN

E5 1 3-OXOECDYSTEROID 3A-REDUCTASE/CN

E6 1 3-OXOECDYSTEROID 3B-REDUCTASE/CN

E7 1 3-OXOEDPETISININE/CN

E8 1 3-OXOENANTHIC ACID/CN

E9 1 3-OXOEREMOPHILA-1,7(11)-DIEN-12,8B-OLIDE/CN

E10 1 3-OXOERGOSTANE/CN

E11 1 3-OXOESTR-4-ENE-17B-CARBONITRILE/CN

E12 1 3-OXOESTR-4-ENE-17B-ISOCARBONITRILE/CN

E13 1 3-OXOESTR-5(10)-ENE-17B-CARBONITRILE/CN

E14 1 3-OXOESTRA-4,9,11-TRIENE-17B-CARBONITRILE/CN

E15 1 3-OXOESTRA-4,9-DIENE-17B-CARBONITRILE/CN

E16 1 3-OXOESTRA-5(10),9(11)-DIENE-17B-CARBONITRILE/CN

E17 1 3-OXOEUCOSTEROL/CN

E18 1 3-OXOEUDSMA-4,11-DIEN-12-OIC ACID/CN

E19 1 3-OXOFLAVAN/CN

E20 1 3-OXOFLAVAN OXIME/CN

E21 1 3-OXOFRIEDELAN-25-AL/CN

E22 1 3-OXOFRIEDELAN-25-OL/CN

E23 1 3-OXOFRIEDELAN-4A-OL/CN

E24 1 3-OXOFRIEDELANE-20A-CARBOXYLIC ACID/CN

E25 1 3-OXOFUSIDIC ACID/CN

=>

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'REGISTRY' AT 12:02:29 ON 10 JAN 2007  
FILE 'REGISTRY' ENTERED AT 12:02:29 ON 10 JAN 2007  
COPYRIGHT (C) 2007 American Chemical Society (ACS)  
COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.90	1.11

=> file reg  
COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.90	1.11

FILE 'REGISTRY' ENTERED AT 12:02:37 ON 10 JAN 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 9 JAN 2007 HIGHEST RN 917076-17-6  
DICTIONARY FILE UPDATES: 9 JAN 2007 HIGHEST RN 917076-17-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> E "OXODODECANOYL HOMOSERINE "/CN 25

E1	1	OXODIPHENYLSTANNANE/CN
E2	1	OXODIPINE/CN
E3	0 -->	OXODODECANOYL HOMOSERINE /CN
E4	1	OXODOLIN/CN
E5	1	OXODUOCINE/CN
E6	1	OXOEICOSAHYDROXYBIS(HYDROGEN OXALATO)OCTAZIRCONIUM OCTACHLORIDE, COMPD. WITH PYRIDINE/CN
E7	1	OXOEICOSATETRAENOATE RECEPTOR (HUMAN NEUTROPHIL)/CN
E8	1	OXOENOXACIN/CN
E9	1	OXOEPISTEPHAMIERSINE/CN
E10	1	OXOETHANOIC ACID/CN
E11	1	OXOETHENYLIDENE/CN
E12	1	OXOFANGCHIRINE/CN
E13	1	OXOFARNOCHROL/CN

E14	1	OXOFERIN/CN
E15	1	OXOFERRATE ION (FE6O1614-)/CN
E16	1	OXOFLACCIDIN/CN
E17	1	OXOFLACCIDIN DIACETATE/CN
E18	1	OXOFLAVIDIN/CN
E19	1	OXOFLAVIDIN DIACETATE/CN
E20	1	OXOFLAVIDIN DIMETHYL ETHER/CN
E21	1	OXOFLAVIDININ/CN
E22	1	OXOFLEROXACIN/CN
E23	1	OXOFORMYCIN/CN
E24	1	OXOFORMYCIN A/CN
E25	1	OXOFORMYCIN B/CN

=>

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Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS X25        X.25 communication option no longer available

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 15:27:16 ON 10 JAN 2007

=> s apopt? or (cell death)  
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE  
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 15:27:41 ON 10 JAN 2007  
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FILE COVERS 1907 - 10 Jan 2007 VOL 146 ISS 3  
FILE LAST UPDATED: 9 Jan 2007 (20070109/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s apopt? or (cell death)

135737 APOPT?
2158842 CELL
1884225 CELLS
2849698 CELL
(CELL OR CELLS)
144301 DEATH
11528 DEATHS
152482 DEATH
(DEATH OR DEATHS)

61811 CELL DEATH  
(CELL(W)DEATH)  
L1 161314 APOPT? OR (CELL DEATH)

=> s ?homoserine lactone  
4407 ?HOMOSERINE  
58701 LACTONE  
27222 LACTONES  
69986 LACTONE  
(LACTONE OR LACTONES)  
L2 1190 ?HOMOSERINE LACTONE  
(?HOMOSERINE(W)LACTONE)

=> s l2 (L) l1  
L3 15 L2 (L) L1

=> s l3 not py>2003  
3716318 PY>2003  
L4 2 L3 NOT PY>2003

=> d ibib 1-2

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2003:778671 CAPLUS  
DOCUMENT NUMBER: 139:306377  
TITLE: The Pseudomonas aeruginosa autoinducer  
N-3-oxododecanoyl homoserine lactone  
accelerates apoptosis in macrophages and  
neutrophils  
AUTHOR(S): Tateda, Kazuhiro; Ishii, Yoshikazu; Horikawa, Manabu;  
Matsumoto, Tetsuya; Miyairi, Shinichi; Pechere, Jean  
Claude; Standiford, Theodore J.; Ishiguro, Masaji;  
Yamaguchi, Keizo  
CORPORATE SOURCE: Department of Microbiology, Toho University School of  
Medicine, Tokyo, Japan  
SOURCE: Infection and Immunity (2003), 71(10), 5785-5793  
CODEN: INFIBR; ISSN: 0019-9567  
PUBLISHER: American Society for Microbiology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2001:721658 CAPLUS  
DOCUMENT NUMBER: 136:2547  
TITLE: Interaction and division of bacterial cells  
AUTHOR(S): Kaca, Wieslaw; Amano, Kenichi  
CORPORATE SOURCE: Cent. Microbiol. Virol., PAS, Lodz, 90-232, Pol.  
SOURCE: Postepy Mikrobiologii (2001), 40(1), 31-41  
CODEN: PMKMAV; ISSN: 0079-4252  
PUBLISHER: Polskie Towarzystwo Mikrobiologow  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English  
REFERENCE COUNT: 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d kwic 2

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
AB . . . degradation by a PBP complex. The cell division is driven by signals

from other bacterial cells. Short peptides and N-acetyl homoserine lactones (AHLs) are signaling mols. The coordinated behavior of bacterial populations may allow looking on them as multicellular organisms. By influencing the host cell activities (i.e., apoptosis), bacterial mols. are also important in diseases.

=> d ibib abs 2

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:721658 CAPLUS

DOCUMENT NUMBER: 136:2547

TITLE: Interaction and division of bacterial cells

AUTHOR(S): Kaca, Wieslaw; Amano, Kenichi

CORPORATE SOURCE: Cent. Microbiol. Virol., PAS, Lodz, 90-232, Pol.

SOURCE: Postepy Mikrobiologii (2001), 40(1), 31-41

CODEN: PMKMAV; ISSN: 0079-4252

PUBLISHER: Polskie Towarzystwo Mikrobiologow

DOCUMENT TYPE: Journal; General Review

LANGUAGE: English

AB A review with refs. on cell division and communication among bacterial cells. Bacterial division starts from the building of a septum by FtsZ proteins across the cell. The constriction of the cell is accompanied by peptidoglycan synthesis and degradation by a PBP complex. The cell division is driven by signals from other bacterial cells. Short peptides and N-acetyl homoserine lactones (AHLs) are signaling mols. The coordinated behavior of bacterial populations may allow looking on them as multicellular organisms. By influencing the host cell activities (i.e., apoptosis), bacterial mols. are also important in diseases.

REFERENCE COUNT: 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s (interleukin () 8) or (IL () 8)

154382 INTERLEUKIN

5972 INTERLEUKINS

156306 INTERLEUKIN

(INTERLEUKIN OR INTERLEUKINS)

2782066 8

14523 INTERLEUKIN (W) 8

121498 IL

1240 ILS

122352 IL

(IL OR ILS)

2782066 8

11167 IL (W) 8

L5 16218 (INTERLEUKIN (W) 8) OR (IL (W) 8)

=> d his

(FILE 'HOME' ENTERED AT 15:27:16 ON 10 JAN 2007)

FILE 'CAPLUS' ENTERED AT 15:27:41 ON 10 JAN 2007

L1 161314 S APOPT? OR (CELL DEATH)

L2 1190 S ?HOMOSERINE LACTONE

L3 15 S L2 (L) L1

L4 2 S L3 NOT PY>2003

L5 16218 S (INTERLEUKIN () 8) OR (IL () 8)

=> s 15 (L) 11

L6 686 L5 (L) L1

=> s 16 not py>2002  
4771960 PY>2002  
L7 286 L6 NOT PY>2002

=> d kwic 1

L7 ANSWER 1 OF 286 CAPLUS COPYRIGHT 2007 ACS on STN  
AB . . . human defense, but also may contribute to the pathogenesis of various disorders. They are capable of causing tissue destruction and cell death. Neutrophilic inflammation is observed in patients with  $\alpha$ 1- proteinase inhibitor deficiency, bronchitis, emphysema, ARDS, COPD, re-perfusion injury, cystic fibrosis, acute. . . of the acute and chronic inflammatory response. NE perpetuates the cycle of inflammation by promoting the generation of chemoattractants, particularly interleukin-8 and leukotriene B4, which recruit more neutrophils into the tissue. The stimulation status of neutrophils in inflamed tissue can be. . .

=> s 11 and 12  
L8 18 L1 AND L2

=> s 18 not py>2002  
4771960 PY>2002  
L9 1 L8 NOT PY>2002

=> d ibib

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2001:721658 CAPLUS  
DOCUMENT NUMBER: 136:2547  
TITLE: Interaction and division of bacterial cells  
AUTHOR(S): Kaca, Wieslaw; Amano, Kenichi  
CORPORATE SOURCE: Cent. Microbiol. Virol., PAS, Lodz, 90-232, Pol.  
SOURCE: Postepy Mikrobiologii (2001), 40(1), 31-41  
CODEN: PMKMAV; ISSN: 0079-4252  
PUBLISHER: Polskie Towarzystwo Mikrobiologow  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English  
REFERENCE COUNT: 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file pctfull		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	37.55	37.76
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.34	-2.34

FILE 'PCTFULL' ENTERED AT 15:32:39 ON 10 JAN 2007  
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FILE LAST UPDATED: 8 JAN 2007 <20070108/UP>  
MOST RECENT UPDATE WEEK: 200701 <200701/EW>  
FILE COVERS 1978 TO DATE

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<



>>> NEW IPC8 DATA AND FUNCTIONALITY NOW AVAILABLE IN THIS FILE.  
SEE  
<http://www.stn-international.de/stndatabases/details/ipc-reform.html> >>>

=> s apopt? or (cell death)  
25485 APOPT?  
238544 CELL  
205255 CELLS  
270655 CELL  
(CELL OR CELLS)  
48279 DEATH  
8016 DEATHS  
51338 DEATH  
(DEATH OR DEATHS)  
20474 CELL DEATH  
(CELL(W)DEATH)  
L10 33437 APOPT? OR (CELL DEATH)

=> s ?homoserine lactone  
2662 ?HOMOSERINE  
9241 LACTONE  
5261 LACTONES  
12579 LACTONE  
(LACTONE OR LACTONES)  
L11 360 ?HOMOSERINE LACTONE  
(?HOMOSERINE(W)LACTONE)

=> s l11 and l10  
L12 48 L11 AND L10  
  
=> s l12 not py>2002  
489451 PY>2002  
L13 28 L12 NOT PY>2002

=> s oxododecanoyl  
L14 40 OXODODECANOYL

=> s l14 and l13  
L15 0 L14 AND L13

=> s l15 and l11  
L16 0 L15 AND L11

=> s l14 and l11  
L17 39 L14 AND L11

=> s l17 and l10  
L18 3 L17 AND L10

=> d ibib 1-3

L18 ANSWER 1 OF 3 PCTFULL COPYRIGHT 2007 Univentio on STN  
ACCESSION NUMBER: 2005094883 PCTFULL ED 20051018 EW 200541  
TITLE (ENGLISH): METHODS FOR INDUCING AUTOLYSIS IN INFECTIOUS BACTERIA  
TITLE (FRENCH): METHODES POUR INDUIRE UNE AUTOLYSE DANS DES BACTERIES  
INFECTIEUSES  
INVENTOR(S): CHARLTON, Keith, Alan, Haptogen Ltd, Polwarth Building,  
Foresterhill, Aberdeen, Aberdeenshire AB25 2ZD, GB [GB,  
GB];  
PORTER, Andrew, Justin, Radcliffe, Haptogen Ltd,  
Polwarth Building, Foresterhill, Aberdeen,  
Aberdeenshire AB25 2ZD, GB [GB, GB];

BROADBENT, Ian, Haptogen Ltd, Polwarth Building,  
Foresterhill, Aberdeen, Aberdeenshire AB25 2ZD, GB [GB,  
GB]

PATENT ASSIGNEE(S): HAPTOGEN LTD, Polwarth Building, Foresterhill,  
Aberdeen, Aberdeenshire AB25 2ZD, GB [GB, GB], for all  
designates States except US;  
CHARLTON, Keith, Alan, Haptogen Ltd, Polwarth Building,  
Foresterhill, Aberdeen, Aberdeenshire AB25 2ZD, GB [GB,  
GB], for US only;  
PORTER, Andrew, Justin, Radcliffe, Haptogen Ltd,  
Polwarth Building, Foresterhill, Aberdeen,  
Aberdeenshire AB25 2ZD, GB [GB, GB], for US only;  
BROADBENT, Ian, Haptogen Ltd, Polwarth Building,  
Foresterhill, Aberdeen, Aberdeenshire AB25 2ZD, GB [GB,  
GB], for US only

AGENT: BASSIL, Nicholas, Charles\$, Kilburn & Strode, 20 Red  
Lion Street, London WC1R 4PJ\$, GB

LANGUAGE OF FILING: English  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

	NUMBER	KIND	DATE
	WO 2005094883	A2	20051013
DESIGNATED STATES			
W:	AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW		
RW (ARIPO):	BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW		
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM		
RW (EPO):	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU MC NL PL PT RO SE SI SK TR		
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG		
APPLICATION INFO.:	WO 2005-GB1108	A	20050324
PRIORITY INFO.:	GB 2004-0407008.2		20040327

L18 ANSWER 2 OF 3 PCTFULL COPYRIGHT 2007 Univentio on STN  
ACCESSION NUMBER: 2003075654 PCTFULL ED 20030926 EW 200338  
TITLE (ENGLISH): TREATMENT OF SURFACES POPULATED BY BACTERIA  
TITLE (FRENCH): TRAITEMENT DE SURFACES PEUPLEES DE BACTERIES  
INVENTOR(S): PRITCHARD, David, Idris, 83 Breach Field Road,  
Barrow-upon-Soar, Leicester LE12 8NN, GB [GB, GB]

PATENT ASSIGNEE(S): THE UNIVERSITY OF NOTTINGHAM, University Park,  
Nottingham NG7 2RD, GB [GB, GB], for all designates  
States except US;  
PRITCHARD, David, Idris, 83 Breach Field Road,  
Barrow-upon-Soar, Leicester LE12 8NN, GB [GB, GB], for  
US only

AGENT: WILKINSON, Stephen, John\$, Stevens, Hewlett & Perkins,  
1 St Augustine's Place, Bristol BS1 4UD\$, GB

LANGUAGE OF FILING: English  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

	NUMBER	KIND	DATE
	WO 2003075654	A2	20030918
DESIGNATED STATES			
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR		

	CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
	IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
	MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG
	SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
RW (ARIPO):	GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM
RW (EPO):	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU
	MC NL PT RO SE SI SK TR
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
APPLICATION INFO.:	WO 2003-GB959 A 20030306
PRIORITY INFO.:	GB 2002-0205593.7 20020309

L18 ANSWER 3 OF 3	PCTFULL COPYRIGHT 2007 Univention on STN
ACCESSION NUMBER:	2003026641 PCTFULL ED 20030410 EW 200314
TITLE (ENGLISH):	MODULATION OF STAT ACTIVITY
TITLE (FRENCH):	MODULATION DE L'ACTIVITE DE STAT
INVENTOR(S):	SHAW, Peter, 145 Harrow Road, Wollaton, Nottingham NG8 1FL, GB [GB, GB];
	PRITCHARD, Davi, University of Nottingham, Research Business Park, Nottingham NG7 2RD, GB [GB, GB];
	LI, Li, 6 Topliss Road, Beeston, Nottingham NG9 5AS, GB [GB, GB]
PATENT ASSIGNEE(S):	UNIVERSITY OF NOTTINGHAM, Research Business Unit, University Park, Nottingham NG7 2RD, GB [GB, GB], for all designates States except US;
	SHAW, Peter, 145 Harrow Road, Wollaton, Nottingham NG8 1FL, GB [GB, GB], for US only;
	PRITCHARD, Davi, University of Nottingham, Research Business Park, Nottingham NG7 2RD, GB [GB, GB], for US only;
	LI, Li, 6 Topliss Road, Beeston, Nottingham NG9 5AS, GB [GB, GB], for US only
AGENT:	I.P.21 LIMITED\$, Norwich Research Park, Colney, Norwich, Norfolk NR4 7UT\$, GB
LANGUAGE OF FILING:	English
LANGUAGE OF PUBL.:	English
DOCUMENT TYPE:	Patent
PATENT INFORMATION:	

	NUMBER	KIND	DATE
	-----	-----	-----
	WO 2003026641	A2	20030403

DESIGNATED STATES	
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
	CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
	IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD
	MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
	SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
RW (ARIPO):	GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM
RW (EPO):	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC
	NL PT SE SK TR
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
APPLICATION INFO.:	WO 2002-GB4232 A 20020917
PRIORITY INFO.:	GB 2001-0122914.5 20010922

=> d his

(FILE 'HOME' ENTERED AT 15:27:16 ON 10 JAN 2007)

FILE 'CAPLUS' ENTERED AT 15:27:41 ON 10 JAN 2007

L1 161314 S APOPT? OR (CELL DEATH)

L2 1190 S ?HOMOSERINE LACTONE  
 L3 15 S L2 (L) L1  
 L4 2 S L3 NOT PY>2003  
 L5 16218 S (INTERLEUKIN ( ) 8) OR (IL ( ) 8)  
 L6 686 S L5 (L) L1  
 L7 286 S L6 NOT PY>2002  
 L8 18 S L1 AND L2  
 L9 1 S L8 NOT PY>2002

FILE 'PCTFULL' ENTERED AT 15:32:39 ON 10 JAN 2007

L10 33437 S APOPT? OR (CELL DEATH)  
 L11 360 S ?HOMOSERINE LACTONE  
 L12 48 S L11 AND L10  
 L13 28 S L12 NOT PY>2002  
 L14 40 S OXODODECANOYL  
 L15 0 S L14 AND L13  
 L16 0 S L15 AND L11  
 L17 39 S L14 AND L11  
 L18 3 S L17 AND L10

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	14.16	51.92
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'CAPLUS' ENTERED AT 15:36:09 ON 10 JAN 2007

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FILE COVERS 1907 - 10 Jan 2007 VOL 146 ISS 3  
 FILE LAST UPDATED: 9 Jan 2007 (20070109/ED)

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=> s us 20040229944/pn

L19 1 US 20040229944/PN  
 (US2004229944/PN)

=> sel rn

E1 THROUGH E9 ASSIGNED

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
----------------------	------------	-------

FULL ESTIMATED COST	ENTRY 2.56	SESSION 54.48
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'REGISTRY' ENTERED AT 15:36:26 ON 10 JAN 2007  
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Property values tagged with IC are from the ZIC/VINITI data file  
 provided by InfoChem.

STRUCTURE FILE UPDATES: 9 JAN 2007 HIGHEST RN 917076-17-6  
 DICTIONARY FILE UPDATES: 9 JAN 2007 HIGHEST RN 917076-17-6

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when  
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
 predicted properties as well as tags indicating availability of  
 experimental property data in the original document. For information  
 on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s e1-9

```

1 142243-02-5/BI
  (142243-02-5/RN)
1 143537-62-6/BI
  (143537-62-6/RN)
1 148640-14-6/BI
  (148640-14-6/RN)
1 155215-87-5/BI
  (155215-87-5/RN)
1 165245-96-5/BI
  (165245-96-5/RN)
1 168982-69-2/BI
  (168982-69-2/RN)
1 2185-02-6/BI
  (2185-02-6/RN)
1 2185-03-7/BI
  (2185-03-7/RN)
1 67605-85-0/BI
  (67605-85-0/RN)
L20 9 (142243-02-5/BI OR 143537-62-6/BI OR 148640-14-6/BI OR 155215-87
      -5/BI OR 165245-96-5/BI OR 168982-69-2/BI OR 2185-02-6/BI OR
      2185-03-7/BI OR 67605-85-0/BI)

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=> d rn hitstr  
 'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual  
 fields or predefined formats. The predefined substance formats

are: (RN = CAS Registry Number)

REG - RN  
SAM - Index Name, MF, and structure - no RN  
FIDE - All substance data, except sequence data  
IDE - FIDE, but only 50 names  
SQIDE - IDE, plus sequence data  
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used  
SQD - Protein sequence data, includes RN  
SQD3 - Same as SQD, but 3-letter amino acid codes are used  
SQN - Protein sequence name information, includes RN  
  
CALC - Table of calculated properties  
EPROP - Table of experimental properties  
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract  
APPS -- Application and Priority Information  
BIB -- CA Accession Number, plus Bibliographic Data  
CAN -- CA Accession Number  
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)  
IND -- Index Data  
IPC -- International Patent Classification  
PATS -- PI, SO  
STD -- BIB, IPC, and NCL  
  
IABS -- ABS, indented, with text labels  
IBIB -- BIB, indented, with text labels  
ISTD -- STD format, indented  
  
OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels  
  
SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.  
HELP FORMATS -- To see detailed descriptions of the predefined formats.  
ENTER DISPLAY FORMAT (IDE):end

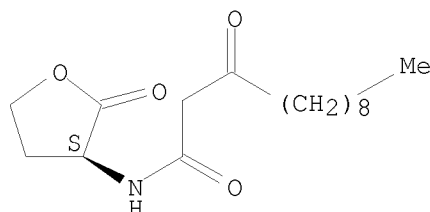
=> d 120 1-9

L20 ANSWER 1 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 168982-69-2 REGISTRY  
ED Entered STN: 17 Oct 1995  
CN Dodecanamide, 3-oxo-N-[(3S)-tetrahydro-2-oxo-3-furanyl]- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Dodecanamide, 3-oxo-N-(tetrahydro-2-oxo-3-furanyl)-, (S)-

OTHER NAMES:

CN n-(3-Oxododecanoyl) L-homoserine lactone  
 CN N-(3-Oxododecanoyl)homoserine lactone  
 FS STEREOSEARCH  
 MF C16 H27 N O4  
 SR CA  
 LC STN Files: BIOSIS, CA, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

148 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 150 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L20 ANSWER 2 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 165245-96-5 REGISTRY  
 ED Entered STN: 26 Jul 1995  
 CN Kinase (phosphorylating), protein, RK (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN 20: PN: WO2006059323 PAGE: 14 claimed sequence  
 CN CSBP  
 CN CSBP kinase  
 CN CSBP/p38 kinase  
 CN Cytokine synthesis anti-inflammatory drug-binding protein  
 CN EhHOG MAP kinase  
 CN High-osmolarity glycerol response kinase  
 CN Hog1 MAP kinase  
 CN MAP kinase Hoglp  
 CN Mitogen-activated protein kinase 14  
 CN Mitogen-activated protein kinase Mxi2  
 CN P38 kinase  
 CN p38 MAP kinase  
 CN p38 MAPK  
 CN p38 Mitogen-activated kinase  
 CN p38 Mitogen-activated protein kinase  
 CN P38 protein kinase  
 CN P38-2 mitogen-activated protein kinase  
 CN p38 $\alpha$  MAP kinase  
 CN p38 $\alpha$  Mitogen-activated protein kinase  
 CN p38/RK  
 CN Protein kinase HOG1  
 CN Protein kinase p38/HOG  
 CN Protein kinase p38/HOG1  
 CN Protein kinase p38mapk  
 CN Protein kinase p38SAPK2  
 CN Protein kinase RK  
 CN Protein kinase SAPK2a  
 CN Protein p38 $\alpha$  kinase  
 CN Reactivating kinase

CN SAPK2a/p38 kinase  
CN Stress-activated protein kinase p38 $\alpha$   
CN Stress-activated protein kinase-2a  
CN Stress-activated-protein kinase-2  
DR 185402-48-6, 185464-66-8  
MF Unspecified  
CI COM, MAN  
SR CA  
LC STN Files: ADISNEWS, AGRICOLA, BIOSIS, CA, CAPLUS, CASREACT, CIN, PROMT,  
TOXCENTER, USPAT2, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

10373 REFERENCES IN FILE CA (1907 TO DATE)  
247 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
10431 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L20 ANSWER 3 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 155215-87-5 REGISTRY  
ED Entered STN: 20 May 1994  
CN Kinase (phosphorylating), gene c-jun protein N-terminal (9CI) (CA INDEX  
NAME)

OTHER NAMES:

CN c-Jun amino-terminal kinase  
CN c-Jun amino-terminal protein kinase  
CN c-Jun kinase  
CN c-Jun N-terminal kinase  
CN c-Jun N-terminal protein kinase  
CN c-Jun protein N-terminal kinase  
CN Gene c-jun protein kinase  
CN JNK  
CN JNK kinase  
CN JNK protein kinase  
CN Jun kinase  
CN JUN N-terminal kinase  
CN Jun NH2-terminal kinase  
CN Jun-NH2 kinase  
CN Protein kinase JNK  
CN Protein kinase sapk1  
CN Protein kinase SAPK1 $\gamma$   
CN SAP kinase  
CN SAPK $\gamma$  kinase  
CN SAPK/JNK kinase  
CN Stress-activated protein kinase  
CN Stress-activated protein kinase- $\gamma$   
DR 177893-53-7, 143180-76-1  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: ADISNEWS, AGRICOLA, BIOSIS, BIOTECHNO, CA, CAPLUS, CIN,  
EMBASE, PROMT, TOXCENTER, USPAT2, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

7735 REFERENCES IN FILE CA (1907 TO DATE)  
151 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
7767 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L20 ANSWER 4 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 148640-14-6 REGISTRY  
ED Entered STN: 14 Jul 1993



CN Kinase (phosphorylating), protein, Akt (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Akt kinase  
CN Akt protein kinase  
CN Akt/PKB protein kinase  
CN Akt/protein kinase B  
CN Akt/Rac protein kinase  
CN Akt1 kinase  
CN Gene c-akt protein kinase  
CN Kinase (phosphorylating), gene c-akt protein  
CN Protein kinase akt  
CN Protein kinase Akt/PKB  
CN Protein kinase Akt1  
CN Protein kinase B  
CN Rac kinase  
CN RAC protein kinase  
CN Rac-1 protein kinase  
CN Serine-threonine protein kinase Akt  
CN Serine/threonine kinase Akt  
CN Serine/threonine kinase AKT1  
CN Serine/threonine kinase B  
CN Serine/threonine protein kinase B  
DR 165245-98-7  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS, CHEMLIST,  
CIN, EMBASE, PROMT, TOXCENTER, USPAT2, USPATFULL

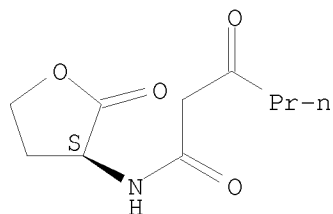
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

10200 REFERENCES IN FILE CA (1907 TO DATE)  
476 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
10278 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L20 ANSWER 5 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 143537-62-6 REGISTRY  
ED Entered STN: 18 Sep 1992  
CN Hexanamide, 3-oxo-N-[(3S)-tetrahydro-2-oxo-3-furanyl]- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Hexanamide, 3-oxo-N-(tetrahydro-2-oxo-3-furanyl)-, (S)-  
OTHER NAMES:  
CN L-3-Oxo-hexanoyl-homoserine lactone  
CN N-(3-Oxohexanoyl)-L-homoserine lactone  
CN N- $\beta$ -Oxohexanoyl-L-homoserine lactone  
FS STEREOSEARCH  
MF C10 H15 N O4  
SR CA  
LC STN Files: BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, CSCHEM, TOXCENTER,  
USPAT2, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

150 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 152 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L20 ANSWER 6 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 142243-02-5 REGISTRY  
 ED Entered STN: 08 Jul 1992  
 CN Kinase (phosphorylating), mitogen-activated protein (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN ERK  
 CN ERK kinase  
 CN Erk receptor tyrosine kinase  
 CN ERK/MAP kinase  
 CN Extracellular signal-regulated kinase  
 CN Extracellular signal-regulated protein kinase  
 CN Gene ERK protein kinase  
 CN MAP kinase  
 CN MAP/ERK kinase  
 CN MAPK  
 CN Mitogen-activated protein kinase  
 CN p43 MAP kinase  
 CN p43 Mitogen-activated protein kinase  
 CN p45 MAP kinase  
 DR 133876-94-5, 141349-99-7, 141350-00-7, 141616-09-3  
 MF Unspecified  
 CI MAN  
 SR CA  
 LC STN Files: ADISNEWS, AGRICOLA, BIOSIS, BIOTECHNO, CA, CAPLUS, CIN,  
 EMBASE, PROMT, TOXCENTER, USPAT2, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

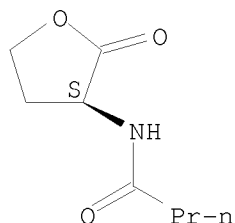
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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 96 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 12162 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L20 ANSWER 7 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 67605-85-0 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Butanamide, N-[(3S)-tetrahydro-2-oxo-3-furanyl]- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Butanamide, N-(tetrahydro-2-oxo-3-furanyl)-, (S)-  
 OTHER NAMES:  
 CN N-Butanoyl-L-homoserine lactone  
 CN N-Butyryl-L-homoserine lactone  
 CN PAI

FS STEREOSEARCH  
 MF C8 H13 N O3  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, CA, CAPLUS, CASREACT,  
 CHEMCATS, SPECINFO, TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)

Absolute stereochemistry.

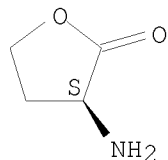


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

158 REFERENCES IN FILE CA (1907 TO DATE)  
 159 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L20 ANSWER 8 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 2185-03-7 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN 2(3H)-Furanone, 3-aminodihydro-, hydrochloride, (3S)- (9CI) (CA INDEX  
 NAME)  
 OTHER CA INDEX NAMES:  
 CN 2(3H)-Furanone, 3-aminodihydro-, hydrochloride, (S)-  
 OTHER NAMES:  
 CN (S)-Homoserine lactone hydrochloride  
 CN L-Homoserine lactone hydrochloride  
 FS STEREOSEARCH  
 MF C4 H7 N O2 . Cl H  
 LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,  
 CHEMINFORMRX, CHEMLIST, CSCHEM, TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)  
 CRN (2185-02-6)

Absolute stereochemistry. Rotation (-).



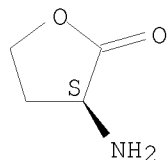
● HCl

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

66 REFERENCES IN FILE CA (1907 TO DATE)  
66 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L20 ANSWER 9 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 2185-02-6 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 2(3H)-Furanone, 3-aminodihydro-, (3S)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 2(3H)-Furanone, 3-aminodihydro-, (S)-  
CN 2(3H)-Furanone, 3-aminodihydro-, L- (8CI)  
OTHER NAMES:  
CN ((S)-2-Oxotetrahydrofuran-3-yl)amine  
CN L- $\alpha$ -Aminobutyrolactone  
CN L-Homoserine  $\gamma$ -lactone  
CN L-Homoserine lactone  
FS STEREOSEARCH  
MF C4 H7 N O2  
CI COM  
LC STN Files: AGRICOLA, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT,  
CHEMCATS, CSCHEM, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (-).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

135 REFERENCES IN FILE CA (1907 TO DATE)  
77 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
137 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	19.35	73.83
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'CAPLUS' ENTERED AT 15:39:03 ON 10 JAN 2007  
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FILE COVERS 1907 - 10 Jan 2007 VOL 146 ISS 3  
FILE LAST UPDATED: 9 Jan 2007 (20070109/ED)

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<http://www.cas.org/infopolicy.html>

```
=> s 120 1,5,7
MISSING OPERATOR L20 1,5,7
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.
```

```
=> s 120 1
MISSING OPERATOR L20 1
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.
```

```
=> s 67605-85-0
REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.
```

L22            159 L21

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=> s (143537-62-6 or 168982-69-2)/rn
      152 143537-62-6
        2 143537-62-6D
      151 143537-62-6/RN
        (143537-62-6 (NOTL) 143537-62-6D )
      150 168982-69-2
        1 168982-69-2D
      149 168982-69-2/RN
        (168982-69-2 (NOTL) 168982-69-2D )
L23            255 (143537-62-6 OR 168982-69-2)/RN
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```
=> s 123 or 122
L24            315 L23 OR L22
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```
=> s cancer or tumor or neoplas?
      302427 CANCER
      44281  CANCERS
      313875 CANCER
        (CANCER OR CANCERS)
      394494 TUMOR
      153878 TUMORS
      443224 TUMOR
        (TUMOR OR TUMORS)
      476602 NEOPLAS?
L25            747127 CANCER OR TUMOR OR NEOPLAS?
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=> s 125 and 124  
 L26 12 L25 AND L24

=> s 126 not py>2002  
 4771960 PY>2002  
 L27 2 L26 NOT PY>2002

=> d ibib 1-2

L27 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1998:7802 CAPLUS  
 DOCUMENT NUMBER: 128:113981  
 TITLE: The Pseudomonas aeruginosa quorum-sensing signal molecule N-(3-oxododecanoyl)-L-homoserine lactone has immunomodulatory activity  
 AUTHOR(S): Telford, Gary; Wheeler, D.; Williams, Paul; Tomkins, P. T.; Appleby, P.; Sewell, Herbert; Stewart, Gordon S. A. B.; Bycroft, Barrie W.; Pritchard, David I.  
 CORPORATE SOURCE: Department of Life Science, University of Nottingham, University Park, Nottingham, NG7 2RD, UK  
 SOURCE: Infection and Immunity (1998), 66(1), 36-42  
 CODEN: INFIBR; ISSN: 0019-9567  
 PUBLISHER: American Society for Microbiology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1993:251291 CAPLUS  
 DOCUMENT NUMBER: 118:251291  
 TITLE: Agrobacterium conjugation and gene regulation by N-acyl-L-homoserine lactones  
 AUTHOR(S): Zhang, Lianhui; Murphy, Peter J.; Kerr, Allen; Tate, Max E.  
 CORPORATE SOURCE: Waite Agric. Res. Inst., Univ. Adelaide, Glen Osmond, 5064, Australia  
 SOURCE: Nature (London, United Kingdom) (1993), 362(6419), 446-8  
 CODEN: NATUAS; ISSN: 0028-0836  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

=> d kwic 1-2

L27 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
 AB . . . lactone (OHHL) were evaluated in murine and human leukocyte immunoassays in vitro. OdDHL, but not OHHL, inhibited lymphocyte proliferation and tumor necrosis factor  $\alpha$  production by lipopolysaccharide-stimulated macrophages. Furthermore, OdDHL simultaneously and potently down-regulated the production of IL-12, a Th1-supportive cytokine.. . .  
 IT Interleukin 12  
 Tumor necrosis factors  
 RL: BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative)  
 (Pseudomonas aeruginosa quorum-sensing signal mol. L-homoserine lactone has immunomodulatory activity)  
 IT 143537-62-6 168982-69-2  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological

study, unclassified); BIOL (Biological study)  
(Pseudomonas aeruginosa quorum-sensing signal mol. L-homoserine lactone  
has immunomodulatory activity)

L27 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
AB Conjugal opines secreted by crown gall tumors induce strains of  
Agrobacterium tumefaciens that are donors of Ti plasmids to produce a  
diffusible conjugation factor. This enhances the. . .  
IT 143537-62-6 147795-40-2 147852-83-3 147852-84-4  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)  
(conjugation of Agrobacterium tumefaciens response to)

=> d his

(FILE 'HOME' ENTERED AT 15:27:16 ON 10 JAN 2007)

FILE 'CAPLUS' ENTERED AT 15:27:41 ON 10 JAN 2007

L1 161314 S APOPT? OR (CELL DEATH)  
L2 1190 S ?HOMOSERINE LACTONE  
L3 15 S L2 (L) L1  
L4 2 S L3 NOT PY>2003  
L5 16218 S (INTERLEUKIN ( ) 8) OR (IL ( ) 8)  
L6 686 S L5 (L) L1  
L7 286 S L6 NOT PY>2002  
L8 18 S L1 AND L2  
L9 1 S L8 NOT PY>2002

FILE 'PCTFULL' ENTERED AT 15:32:39 ON 10 JAN 2007

L10 33437 S APOPT? OR (CELL DEATH)  
L11 360 S ?HOMOSERINE LACTONE  
L12 48 S L11 AND L10  
L13 28 S L12 NOT PY>2002  
L14 40 S OXODODECANOYL  
L15 0 S L14 AND L13  
L16 0 S L15 AND L11  
L17 39 S L14 AND L11  
L18 3 S L17 AND L10

FILE 'CAPLUS' ENTERED AT 15:36:09 ON 10 JAN 2007

L19 1 S US 20040229944/PN  
SEL RN

FILE 'REGISTRY' ENTERED AT 15:36:26 ON 10 JAN 2007

L20 9 S E1-9

FILE 'CAPLUS' ENTERED AT 15:39:03 ON 10 JAN 2007  
S 67605-85-0/REG#

FILE 'REGISTRY' ENTERED AT 15:40:24 ON 10 JAN 2007

L21 1 S 67605-85-0/RN

FILE 'CAPLUS' ENTERED AT 15:40:24 ON 10 JAN 2007

L22 159 S L21  
L23 255 S (143537-62-6 OR 168982-69-2)/RN  
L24 315 S L23 OR L22  
L25 747127 S CANCER OR TUMOR OR NEOPLAS?  
L26 12 S L25 AND L24  
L27 2 S L26 NOT PY>2002

=> s l24 and l1

L28 11 L24 AND L1

=> s l28 not py>2003  
3716318 PY>2003

L29 2 L28 NOT PY>2003

=> d ibib 1-2

L29 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:778671 CAPLUS

DOCUMENT NUMBER: 139:306377

TITLE: The Pseudomonas aeruginosa autoinducer  
N-3-oxododecanoyl homoserine lactone accelerates  
apoptosis in macrophages and neutrophils

AUTHOR(S): Tateda, Kazuhiro; Ishii, Yoshikazu; Horikawa, Manabu;  
Matsumoto, Tetsuya; Miyairi, Shinichi; Pechere, Jean  
Claude; Standiford, Theodore J.; Ishiguro, Masaji;  
Yamaguchi, Keizo

CORPORATE SOURCE: Department of Microbiology, Toho University School of  
Medicine, Tokyo, Japan

SOURCE: Infection and Immunity (2003), 71(10), 5785-5793  
CODEN: INFIBR; ISSN: 0019-9567

PUBLISHER: American Society for Microbiology

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:369403 CAPLUS

DOCUMENT NUMBER: 138:378843

TITLE: Modulation effects of azithromycin for bacterial  
factors

AUTHOR(S): Tateda, Kazuhiro; Ishii, Yoshikazu; Yamaguchi, Keizo  
CORPORATE SOURCE: Sch. Med., Toho Univ., Japan

SOURCE: Japanese Journal of Antibiotics (2003), Volume Date  
2002, 56(Suppl. A, Makuroraido no Shinsayo Kenkyu),  
20-24

CODEN: JJANAX; ISSN: 0368-2781

PUBLISHER: Japan Antibiotics Research Association

DOCUMENT TYPE: Journal

LANGUAGE: Japanese

=> d l29 ibib abs kwic 2

L29 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:369403 CAPLUS

DOCUMENT NUMBER: 138:378843

TITLE: Modulation effects of azithromycin for bacterial  
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AUTHOR(S): Tateda, Kazuhiro; Ishii, Yoshikazu; Yamaguchi, Keizo  
CORPORATE SOURCE: Sch. Med., Toho Univ., Japan

SOURCE: Japanese Journal of Antibiotics (2003), Volume Date  
2002, 56(Suppl. A, Makuroraido no Shinsayo Kenkyu),  
20-24

CODEN: JJANAX; ISSN: 0368-2781

PUBLISHER: Japan Antibiotics Research Association

DOCUMENT TYPE: Journal

LANGUAGE: Japanese

AB Prolonged incubation of Pseudomonas in macrolide-containing media,  
erythromycin, clarithromycin and azithromycin (AZM) demonstrated



bactericidal effect on Pseudomonas at sub-MIC level. Repression of protein synthesis of the Pseudomonas was suggested as the mechanism of the bactericidal effect. AZM repressed the production of elastase and rhamnolipid. AZM repressed the expression of the genes involved in quorum-sensing system. Results were discussed in relation to the action of macrolides on Pseudomonas in airway infection.

IT Apoptosis

(generation of, by HSL; modulation effects of azithromycin for bacterial factors)

IT 67605-85-0, N-(Butanoyl)-L-homoserine lactone 168982-69-2

, N-[3-Oxododecanoyl]-L-homoserine lactone

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(modulation effects of azithromycin for bacterial factors)

=> d his

(FILE 'HOME' ENTERED AT 15:27:16 ON 10 JAN 2007)

FILE 'CAPLUS' ENTERED AT 15:27:41 ON 10 JAN 2007

L1 161314 S APOPT? OR (CELL DEATH)  
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L6 686 S L5 (L) L1  
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L8 18 S L1 AND L2  
L9 1 S L8 NOT PY>2002

FILE 'PCTFULL' ENTERED AT 15:32:39 ON 10 JAN 2007

L10 33437 S APOPT? OR (CELL DEATH)  
L11 360 S ?HOMOSERINE LACTONE  
L12 48 S L11 AND L10  
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L14 40 S OXODODECANOYL  
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FILE 'CAPLUS' ENTERED AT 15:36:09 ON 10 JAN 2007

L19 1 S US 20040229944/PN  
SEL RN

FILE 'REGISTRY' ENTERED AT 15:36:26 ON 10 JAN 2007

L20 9 S E1-9

FILE 'CAPLUS' ENTERED AT 15:39:03 ON 10 JAN 2007

S 67605-85-0/REG#

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L21 1 S 67605-85-0/RN

FILE 'CAPLUS' ENTERED AT 15:40:24 ON 10 JAN 2007

L22 159 S L21  
L23 255 S (143537-62-6 OR 168982-69-2)/RN  
L24 315 S L23 OR L22  
L25 747127 S CANCER OR TUMOR OR NEOPLAS?  
L26 12 S L25 AND L24  
L27 2 S L26 NOT PY>2002  
L28 11 S L24 AND L1

L29 2 S L28 NOT PY>2003

=> s l24 and l5

L30 4 L24 AND L5

=> d ibib 1-4

L30 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:1113320 CAPLUS

TITLE: Pseudomonas aeruginosa autoinducer modulates host cell responses through calcium signalling

AUTHOR(S): Shiner, E. K.; Terentyev, D.; Bryan, A.; Sennoune, S.; Martinez-Zaguilan, R.; Li, G.; Gyorke, S.; Williams, S. C.; Rumbaugh, K. P.

CORPORATE SOURCE: Department of Microbiology, Texas Tech University Health Sciences Center, Lubbock, TX, 79430, USA

SOURCE: Cellular Microbiology (2006), 8(10), 1601-1610

CODEN: CEMIF5; ISSN: 1462-5814

PUBLISHER: Blackwell Publishing Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:1055994 CAPLUS

DOCUMENT NUMBER: 145:354553

TITLE: Induction of neutrophil chemotaxis by the quorum-sensing molecule N-(3-oxododecanoyl)-L-homoserine lactone

AUTHOR(S): Zimmermann, Sabine; Wagner, Christof; Mueller, Wencke; Brenner-Weiss, Gerald; Hug, Friederike; Prior, Birgit; Obst, Ursula; Haensch, Gertrud Maria

CORPORATE SOURCE: Institut fuer Immunologie der Universitaet Heidelberg, Heidelberg, Germany

SOURCE: Infection and Immunity (2006), 74(10), 5687-5692

CODEN: INFIBR; ISSN: 0019-9567

PUBLISHER: American Society for Microbiology

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:135509 CAPLUS

DOCUMENT NUMBER: 137:199307

TITLE: Detection of Pseudomonas aeruginosa cell-to-cell signals in lung tissue of cystic fibrosis patients

AUTHOR(S): Favre-Bonte, Sabine; Pache, Jean-Claude; Robert, John; Blanc, Dominique; Pechere, Jean-Claude; van Delden, Christian

CORPORATE SOURCE: Department of Genetics and Microbiology, University Hospital Geneva, Geneva, CH-1211, Switz.

SOURCE: Microbial Pathogenesis (2002), 32(3), 143-147

CODEN: MIPAEV; ISSN: 0882-4010

PUBLISHER: Elsevier Science

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:471002 CAPLUS  
 DOCUMENT NUMBER: 135:209777  
 TITLE: IL-8 production in human lung  
 fibroblasts and epithelial cells activated by the  
 Pseudomonas autoinducer N-3-oxododecanoyl homoserine  
 lactone is transcriptionally regulated by NF- $\kappa$ B  
 and activator protein-2  
 AUTHOR(S): Smith, Roger S.; Fedyk, Eric R.; Springer, T. A.;  
 Mukaida, N.; Iglewski, Barbara H.; Phipps, Richard P.  
 CORPORATE SOURCE: Department of Microbiology and Immunology, University  
 of Rochester School of Medicine and Dentistry,  
 Rochester, NY, 14642, USA  
 SOURCE: Journal of Immunology (2001), 167(1), 366-374  
 CODEN: JOIMA3; ISSN: 0022-1767  
 PUBLISHER: American Association of Immunologists  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d ibib abs kwic 2

L30 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:1055994 CAPLUS  
 DOCUMENT NUMBER: 145:354553  
 TITLE: Induction of neutrophil chemotaxis by the  
 quorum-sensing molecule N-(3-oxododecanoyl)-L-  
 homoserine lactone  
 AUTHOR(S): Zimmermann, Sabine; Wagner, Christof; Mueller, Wencke;  
 Brenner-Weiss, Gerald; Hug, Friederike; Prior, Birgit;  
 Obst, Ursula; Haensch, Gertrud Maria  
 CORPORATE SOURCE: Institut fuer Immunologie der Universitaet Heidelberg,  
 Heidelberg, Germany  
 SOURCE: Infection and Immunity (2006), 74(10), 5687-5692  
 CODEN: INFIBR; ISSN: 0019-9567  
 PUBLISHER: American Society for Microbiology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

AB Acyl homoserine lactones are synthesized by Pseudomonas aeruginosa as  
 signaling mols. which control production of virulence factors and biofilm  
 formation in a paracrine manner. The authors found that  
 N-(3-oxododecanoyl)-L-homoserine lactone (3OC12-HSL), but not its 3-deoxo  
 isomer or acyl-homoserine lactones with shorter fatty acids, induced the  
 directed migration (chemotaxis) of human polymorphonuclear neutrophils  
 (PMN) in vitro. By use of selective inhibitors a signaling pathway,  
 comprising phosphotyrosine kinases, phospholipase C, protein kinase C, and  
 mitogen-activated protein kinase C, could be delineated. In contrast to  
 the well-studied chemokines complement C5a and interleukin  
 8, the chemotaxis did not depend on pertussis toxin-sensitive G  
 proteins, indicating that 3OC12-HSL uses another signaling pathway.  
 Strong evidence for the presence of a receptor for 3OC12-HSL on PMN was  
 derived from uptake studies; by use of radiolabeled 3OC12-HSL, specific  
 and saturable binding to PMN was seen. Taken together, the authors' data  
 provide evidence that PMN recognize and migrate toward a source of  
 3OC12-HSL (i.e., to the site of a developing biofilm). The authors  
 propose that this early attraction of PMN could contribute to prevention  
 of biofilm formation.

REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB Acyl homoserine lactones are synthesized by Pseudomonas aeruginosa as  
 signaling mols. which control production of virulence factors and biofilm

formation in a paracrine manner. The authors found that N-(3-oxododecanoyl)-L-homoserine lactone (3OC12-HSL), but not its 3-deoxo isomer or acyl-homoserine lactones with shorter fatty acids, induced the directed migration (chemotaxis) of human polymorphonuclear neutrophils (PMN) in vitro. By use of selective inhibitors a signaling pathway, comprising phosphotyrosine kinases, phospholipase C, protein kinase C, and mitogen-activated protein kinase C, could be delineated. In contrast to the well-studied chemokines complement C5a and interleukin 8, the chemotaxis did not depend on pertussis toxin-sensitive G proteins, indicating that 3OC12-HSL uses another signaling pathway. Strong evidence for the presence of a receptor for 3OC12-HSL on PMN was derived from uptake studies; by use of radiolabeled 3OC12-HSL, specific and saturable binding to PMN was seen. Taken together, the authors' data provide evidence that PMN recognize and migrate toward a source of 3OC12-HSL (i.e., to the site of a developing biofilm). The authors propose that this early attraction of PMN could contribute to prevention of biofilm formation.

IT 168982-69-2, N-(3-Oxododecanoyl)-L-homoserine lactone  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(neutrophil chemotaxis induction by quorum-sensing mol.  
N-(3-oxododecanoyl)-L-homoserine lactone)

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	45.03	120.25
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-3.12	-5.46

STN INTERNATIONAL LOGOFF AT 15:47:17 ON 10 JAN 2007